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Abstract

Heterodyne mobile radio receiver with simplified input filtering

The simplified configuration of a heterodyne radio receiver provides for a front-end filter (FF) having higher selectivity in the image frequency area, the adjacent-channel selectivity of which is so significant, that a simple high-pass filter or low-pass filter is sufficient in the interstage area. As an alternative to this simple high-pass or low-pass filter, offset compensation in software is also possible. Due to this simplified configuration, distinct advantages with regard to costs and space can be achieved.